

## EAST Search History

|          |     |  |   |    |     |                  |
|----------|-----|--|---|----|-----|------------------|
| S15<br>4 | 417 | 347/16.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 12:49 |
| S15<br>5 | 417 | 347/16.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 12:30 |
| S15<br>6 | 5   | ("5208640"   "5596416"   "5764263"<br>  "5859711"   "6474806").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/05 12:45 |
| S15<br>7 | 317 | 347/16.ccls. and (cassette tray tray<br>((media medium) near S155<br>(supply\$3 source)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 12:53 |
| S15<br>8 | 132 | 347/16.ccls. and (cassette tray tray<br>((media medium sheet paper) near<br>S155 (supply\$3 source))) with<br>(plurality multiple expandable two<br>three four five) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 13:19 |
| S15<br>9 | 2   | ("6715422").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 13:21 |
| S16<br>0 | 2   | ("6758545").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 13:21 |
| S16<br>1 | 1   | "347"/\$.ccls. and shirokoshi.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 13:40 |
| S16<br>2 | 125 | shirokoshi.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 13:40 |

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|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S16<br>3 | 26    | shirokoshi.in. and (print\$3 record\$3)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 13:40 |
| S16<br>4 | 42956 | (selective near3 control\$3)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:00 |
| S16<br>5 | 65655 | "347"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 13:48 |
| S16<br>6 | 370   | "347"/\$.ccls. and S164  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 13:48 |
| S16<br>7 | 67    | "347"/\$.ccls. and S164 and (data<br>signal) near3 (line wire) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 13:49 |
| S16<br>8 | 619   | (selective near3 control\$3) with<br>parallel                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:12 |
| S16<br>9 | 664   | 347/5.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:12 |
| S17<br>0 | 32    | 347/5.ccls. and control\$3 near (line<br>wire cable)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:21 |

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|          |      |  |   |    |     |                  |
|----------|------|--|---|----|-----|------------------|
| S17<br>1 | 1349 | 361/784,785.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:21 |
| S17<br>2 | 0    | 361/784,785.ccls. and (select\$3 with<br>control\$3) with parallel | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:22 |
| S17<br>3 | 49   | 361/784,785.ccls. and (control\$3)<br>with parallel                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:46 |
| S17<br>4 | 498  | 347/10.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:37 |
| S17<br>5 | 2    | ("6585339").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 14:47 |
| S17<br>6 | 2    | ("5357268").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 15:02 |
| S17<br>8 | 34   | 347/9,10,11,12.ccls. and harness                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:40 |
| S17<br>9 | 29   | 347/9,10,11,12.ccls. and select\$3<br>adj lines                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:44 |

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|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S18<br>0 | 23   | "5357268"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:44 |
| S18<br>1 | 2    | ("5357268").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 17:23 |
| S18<br>2 | 0    | 347/9,10,11,12.ccls. and select\$3<br>adj lines with relay\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:52 |
| S18<br>3 | 0    | "347"/\$.ccls. and select\$3 adj lines<br>with relay\$3       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:45 |
| S18<br>4 | 132  | select\$3 adj lines with relay\$3                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:47 |
| S18<br>5 | 8200 | latch with relay  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:47 |
| S18<br>6 | 726  | (latch with relay).ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:47 |
| S18<br>7 | 297  | (latch with relay).ti.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:50 |

## EAST Search History

|          |      |                                     |   |    |     |                  |
|----------|------|-------------------------------------|---|----|-----|------------------|
| S18<br>8 | 0    | "347"/\$.ccls. and S187             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:48 |
| S18<br>9 | 2    | "347"/\$.ccls. and S186             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:48 |
| S19<br>0 | 7    | "347"/\$.ccls. and latch with relay | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:50 |
| S19<br>1 | 32   | 347/9,10,11,12.ccls. and relay\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/05 16:52 |
| S19<br>2 | 1713 | relay with straight                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 17:24 |
| S19<br>3 | 0    | "716".ccls. and relay with straight | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 17:24 |
| S19<br>4 | 74   | relay with straight with adjacent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 17:36 |
| S19<br>5 | 31   | relay adj circuit with straight     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 17:40 |

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|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S19<br>6 | 110 | 716/15.ccls. and interconnect\$3                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 17:41 |
| S19<br>7 | 15  | 716/15.ccls. and ((cirucit adj board)<br>PCB) with interconnect\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 17:42 |

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 1054 | 307/38.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:15 |
| L2    | 542  | 307/38.ccls. and (serial\$3 series)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:16 |
| L3    | 288  | 307/38.ccls. and (serial\$3 series) and relay\$3                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:16 |
| L4    | 236  | 307/38.ccls. and (serial\$3 series) and relay\$3 with (select\$3 control\$3)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:17 |
| L5    | 42   | 307/38.ccls. and (serial\$3 series) and relay\$3 with (select\$3 with control\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:22 |
| L6    | 500  | 347/10.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:27 |
| L7    | 152  | 347/10.ccls. and (select\$3 with control\$3)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:28 |
| L8    | 53   | 347/10.ccls. and (select\$3 with control\$3) and (select\$3 near3 circuit)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/06 09:39 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L9  | 2    | ("5357268").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 09:39 |
| L10 | 19   | ("4216481"   "4251823"   "4293865"<br>  "4300144"   "4313124"  <br>"4345262"   "4366489"   "4454516"<br>  "4459600"   "4463359"  <br>"4520373"   "4558333"   "4578687"<br>  "4596995"   "4723129"  <br>"4740796"   "4873535"   "4876559"<br>  "5172130").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 10:39 |
| L11 | 4057 | internal adj (wiring tracing)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 10:39 |
| L12 | 39   | (identical) with (internal adj wiring)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 11:03 |
| L13 | 259  | trac\$4 with straight with resistance  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 11:04 |
| L14 | 48   | trac\$4 with straight with resistance<br>same circuit  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 11:08 |
| L15 | 0    | straight adj (trace tracing) with<br>resistance same circuit   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 11:09 |
| L16 | 1    | straight adj (trace tracing) with<br>resistance  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 11:10 |
| L17 | 108  | straight adj (trace tracing)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/06 11:18 |
| L18 | 2    | ("4720798").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:35 |
| L19 | 2    | ("5148595").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:36 |



## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S1  | 79852 | (print\$3 (image adj form\$3)) and (cascad\$3 "line group" serial) and (paper sheet medium) and (feed\$3 tray suppl\$3) and control  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/17 16:44 |
| S2  | 25287 | (print\$3 (image adj form\$3)) and (cascad\$3 "line group" serial) and (paper sheet medium) with (feed\$3 tray suppl\$3) and control   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 16:10 |
| S3  | 17553 | (print\$3 (image adj form\$3)) and (cascad\$3 "line group" serial) and (sens\$3 detect\$3) and (paper sheet medium) with (feed\$3 tray suppl\$3) and control   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 16:11 |
| S4  | 10498 | (print\$3 (image adj form\$3)) and (cascad\$3 "line group" serial) and (sens\$3 detect\$3) and (paper sheet medium) with (feed\$3 tray suppl\$3) and control same (select\$3 pick\$3 choos\$3 decid\$3)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 16:14 |
| S6  | 18732 | (print\$3 (image adj form\$3)) and (cascad\$3 "line group" serial) same ((sens\$3 detect\$3) or ((paper sheet medium) with (feed\$3 tray suppl\$3))) and control same (select\$3 pick\$3 choos\$3 decid\$3)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/14 16:16 |
| S7  | 15838 | (print\$3 (image adj form\$3)) and (cascad\$3 "line group" serial) same ((sens\$3 detect\$3) or ((paper sheet medium) with (feed\$3 tray suppl\$3))) and control same (select\$3 pick\$3 choos\$3 decid\$3) and signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/17 16:44 |
| S8  | 2409  | (multiple pluarlity) with (paper medium media sheet) with (tray cassette bin)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/17 16:55 |
| S13 | 1690  | (print\$3 (image adj form\$3)) and (multiple pluarlity) with (paper medium media sheet) with (tray cassette bin)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/18 09:10 |